DXpedition News

St. Paul Island - CY9 Members of the West Island Amateur Radio Club of Montreal will operate **CY9CWI** from St. Paul (NA-094) Aug. 14-18. Operation is scheduled to start at 0000Z Aug. 14, but weather, sea conditions, and landing difficulties may delay getting on the air. The three HF stations will transmit on 1835, 3505, 7040, 10120, 14035, 18105, 21040, 21120, and 28050 kHz on CW; 1840, 3780, 7205, 14195, 18130, 21295, 24940, and 28395 kHz on SSB, and 90 kHz up on RTTY. Operators will be Benoit VE2JBF, Alain VE2DAV, Mark VE2PTT, Mark VE2HVW, Reg VE2AYU, Jean-Claude VE2JCX, Andrew VE2WHO, and Fred VE2SEI. QSL to the club at P. O. Box 884, Pointe-Claire/Dorval QC Canada H9R 4Z6.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Comoros - D6 Carlo Amorati I4ALU again hits the DXpedition trail from Comoros (AF-007) Aug. 10-20. Callsign won't be known until he gets his license in the islands. CW only, 10 khz up, listening split up 1-2 kHz. QSL direct via home address: via Battistelli 10, I-40122 Bologna, Italy, or via the Italian bureau.

Mayotte - FH Carlo then moves over to Mayotte (AF-027) Aug. 22-27, operating as **FH/I4ALU/p**; same information as above.

Belize - V3 Buzz N5FTR, Al WD5IQR, and their mother Bobbi KA5BOA will operate from San Pedro island (NA-073) Aug. 9-16. Dave P29BT will also join the crew, who will operate as **V31BR**. Mostly SSB and RTTY, with possibly some CW. QSL N5FTR.

Shortly Noted

- The **Eritrea E3** operation (see Issue 694) should begin in early August.
- **OHØ/DK7ZB** Martin will be active from Aland Island (EU-002) July 25-Aug. 20, CW only on 160-10 meters, including the new bands. QSL via the DL bureau. (OPDX.)
- **PYØ/t:** Rolf Rasp PY1RO plans to operate from Trindade and possibly Martin Vaz (a New One for IOTA) July 28-Aug. 2, mostly CW on 160-10 meters, including 17 and 12 meters. Callsign not yet known. QSL to Rolf at P. O. Box 51, Rio de Janeiro RJ 20000-970, Brazil. (OPDX.)
- The **Hervey Bay Amateur Radio Club** won't be using a special callsign in the Whale Festival the first week of August, but will be looking for contacts on 3794, 7100, 14235, 21250, and 28495 kHz. Their awards for working **VI4HBW** in 1991 and **VI4FOW** in '92 are still available for US$5 from the club at P. O. Box 829, Hervey Bay Queensland 4655, Australia.
- **France** has new postage rates. A 20-gram airmail letter to Oceania (the most expensive) is 5.1FF. An IRC nets 5.1FF, and US$1 is about 5.4FF.
- **France** also changed its callsign assignment system (again). FD1xxx and FE1xxx will be F5xxx. (LNDX.)
- **XQØX** on San Felix (SA-013) copies CW with a KAM modem, so send your call clearly a few times for proper decoding. Obviously, tailending and similar CW techniques will be ineffective. John usually listens 1-4 kHz up.
- **CX3EU** is often on 7005 kHz as early as 0900Z.
- **WB8MTT/KL7** Erv is mobiling in Alaska to Aug. 5. Try 14180 kHz at 0300Z and 14015 khz at 0330Z. QSL via home callsign.
- **IS/IØER** is active from Sardinia until the end of August.
- **KG4DX** is the call currently being used by Jim Green KDØXK on his two-year Guantanamo Bay tour. QSL manager for this operation of KG4DX **only** is Dave Wester KØIEA, 10205 217th St. N, Forest Lake MN 55025.
- **5U7M** conducted his prolonged Niger operation with activity in the IARU HF test. As before, he will QSL 100% via the JARL bureau; don't send him any cards, please.
- **XT2BW** is back in Burkino Faso for the last time, until the end of the year. He will concentrate on the low and new bands until he goes QRT. QSL and skeds via WB2YQH, P. O. Box 73, Spring Brook NY 14140.
- **ZXØECF** on Antarctica is on 14330 kHz at 1900 or 1930Z Monday, Wednesday, and Friday. On weekends he prefers 28530 and 21223 kHz.
- **SSB Net** check-ins: **14227** kHz: (11,21Z) HSØZAK BT2ØØBJ ZA1B A71AN V85AA; **14247:** (23Z) TN1AT HC8JG JW6MY YJ8AB HH2B CP5NU 9K2MU.
- **RTTY: 9Q5TV** 14072 0310Z; **KG4HG** 14088 0035Z; **3C1TR** 14083 0708Z; **FK8BJ** 14068 0645Z; **V51GB** 21088 1653Z; **YI1AL** 21085 1305Z.

Important Notice: There will be no Issue dated July 30; The next Issue of The DX Bulletin (#699) will be August 6.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before				55 Days Before			
July 1993		Date	Flux	A	K	Date	Flux	A	K
23	High Normal	6/26	122	10/09	2	5/29	129	09/12	2
24	Above Normal	6/27	128	06/07	2	5/30	140	03/06	0
25	Above Normal	6/28	124	04/06	1	5/31	138	05/06	2
26	High Normal	6/29	123	10/11	2	6/1	137	04/04	1
27	High Normal	6/30	116	08/11	2	6/2	139	05/06	2
28	Low Normal	7/1	108	18/21	3	6/3	136	15/17	2
29	Low Normal	7/2	110	23/25	3	6/4	130	37/48	3
30	Low Normal	7/3	111	15/20	2	6/5	134	37/39	4
31	High Normal	7/4	107	08/09	1	6/6	128	15/17	3
August 1993									
1	High Normal	7/5	101	02/06	1	6/7	112	16/20	3
2	High Normal	7/6	95	05/07	1	6/8	112	10/14	2
3	High Normal	7/7	93	10/08	3	6/9	115	06/08	2
4	Low Normal	7/8	93	14/15	3	6/10	113	19/23	5
5	High Normal	7/9	90	11/12	2	6/11	102	09/09	1
6	Low Normal	7/10	86	10/12	2	6/12	93	14/12	2
7	Below Normal	7/11	83	22/25	1	6/13	87	12/15	2
8	High Normal	7/12	86	09/10	1	6/14	84	11/11	2

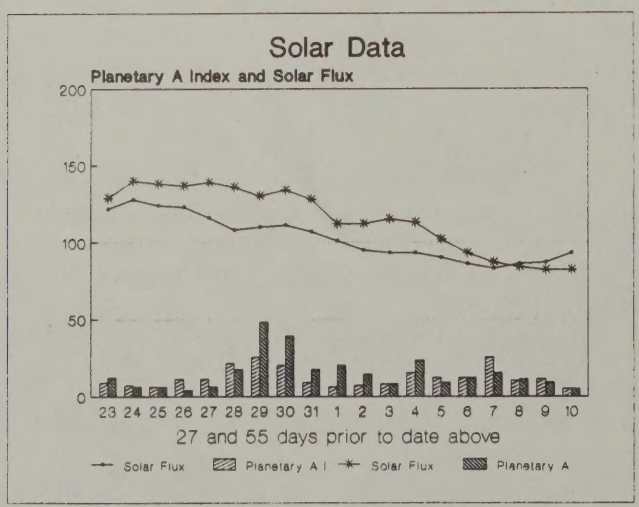
Propagation Watch

Solar activity is very low, and is expected to remain very low. Solar flux should rise above its current 90-day mean of about 110, but in mid-summer this won't make much difference to the maximum useable frequency (MUF). 30, 20, and 17 meters will remain the prime DX bands, with some useful openings on 15 meters on southerly bearings.

There are several Sunspot Regions visible, but all are small and magnetically simple. These should neither boost solar flux nor cause any band-disrupting flares. Region 7530, which produced some M-class (mid-level) flares last rotation, is due back, so we may see an increase in geomagnetic activity.

The very quiet geomagnetic field has permitted DXing over the often-difficult polar paths. When the K index is very low, try some direction CQs over the North Pole. Also try beaming a bit to the east and west of due north, probing for the strongest signals.

Meanwhile six meters continues to provide lots of E-skip excitement, and even some DX via multi-hop. Otherwise, make sure your low-band antennas are in good shape for this winter; you'll be needing them! Good hunting.



Kenwood's TS-50S Transceiver

A news release from Kenwood suggests a problem with the new TS-50S rig:

"Several dealers have received a Notice of Apparent Liability from the FCC regarding the TS-50S. We have already contact our legal counsel in Washington, DC. He is in the process of dealing with this situation and assures us that this action, by the FCC, will be dismissed as soon as possible.

"We have been aware of the FCC inquiry for some time, and our attorney was assured by the FCC that this type of action would not be taken.

"Please be assured that we are doing everything legally possible to have this situation resolved as quickly as possible, We have been assured that this action will be eventually dismissed.

"In the meantime our Authorized Dealers will continue to sell and support the TS-50S transceivers with confidence."

Kenwood also says some mail addressed to their Dominguez Street address has been returned to sender. **Mail** should be addressed to their post office box: P. O. Box 22745, Long Beach CA 90801-5745. For UPS and other direct deliveries, use their street address: 2201 East Dominguez St., Long Beach.

QSLs Received

▪ From managers: **VK9LM** (DJ5CQ 4 MOS); **FK/DJ5CQ** (DJ5CQ 4 MOS); **3XØHLU** (IK2OPZ 5 WKS); **5R8DJ** (DL7FT 7 WKS); **DX2VOA** (W7KNT 17 MOS); **HSØZAK** (N4TMW 1 MO); **PJ9JT** (W1AX 3 DAYS!); **7Q7XX** (JH3RRA 3WKS); **PTØF** (AH3C 6 MOS); **XE3/K9EL** (K9EL 9 DAYS); **XR6M** (CE6TC 3 WKS); **VP2MFA** (K8SJ 3 WKS); **ZK2XO** (DL8NBE 2WKS); **8P9DX** (VE3ICK); **C6AGV** (WA4CRV 3 WKS); **9H3RJ** (HB9TU 3 WKS); **5X1DX** (NY3Y 2 MOS); **EA8/DL2HBX** (DL2HBX 5 MOS); **TA2BK** (DJØUJ 2 MOS); **KHØAM** (JE1CKA 7 MOS); **V63DX** (JA7HMZ 3 WKS); **S21ZM** (SP5IUL 4 MOS); **5T5CJ** (W4BAA 1 MO); **JWØF** (SP2GOW 3 MOS); **PYØFF** (W9VA 5 MOS); **4J1FS** (OH2BU 10 MOS); **D2ACA** (W3HNK 3 MOS); **5X1XX** (K7UP 2 MOS); **ZL7AA** (ZL1AL 4 MOS) **T5CB** (KA1PM 6 MOS); **TT8AKX** (FD1SIL 5 MOS); **ZSØZ** (ZS6EZ 7 MOS); **UD6DKW** (YU2DA 2 MOS); **V85KX** (G3JKX 5 WKS); **9J2AS** (JH3RRA 6 WKS).

▪ Direct: **A71CW** (7 WKS); T3ØJH (1 MO); **CT3FT** (1 MO); **S92SS** (6 MOS); **S51WA** (10 DAYS); **S79MX** (2 WKS); **Z21HS** (5 WKS); **OX3MZ** (5 WKS).

AH1A QSL Cards

The AH1A two-page, color QSLs have been printed (by Apple Computer of Belgium) and have been delivered to ON6TT. Peter had 458 pounds of AH1A cards delivered to his shack! Some of these cards were shipped via air to Denver on July 14. The rest are being carried as baggage with ON6TT and wife Tina on their trip to the US in mid-July. The AH1A QSL team expects to begin mailing the QSL cards by late July or early August.

B • A • N • D • P • A • S • S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

S	M	T	W	T	F	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

RTTY

9K2IC	14083	2252	12	PA
9V1JY	14085	1405	10	CA
9V1YW	14089	1545	5	CA
ES7GQ	14086	2343	13	FL
FK8BG	14084	0737	15	PA
FM4GN	14086	1331	11	FL
GJØSVZ	14086	2232	12	PA
HKØDPA	14087	2323	12	PA
HL5AWD	14084	1830	7	CA
YJØARW	14090	1230	11	FL

80 Meters

N4KE/VP5	3503	0234	13	FL

40 Meters

4K1F	7006	0616	10	WI
4U1ITU	7001	0041	14	FL
7Q7XX	7001	0050	15	FL
9V1ZE	7002	1044	11	FL
CO2MA	7004	0251	12	MI
CO7FR	7006	0143	15	MI
CP6RP	7011	1001	10	MI
HK1HSY	7002	0333	12	SC
LY2ZO	7010	0052	15	FL
T24JJ	7005	1146	9	AL
V73C	7025	1050	15	PA
VP2E/ AA3B	7006	1048	11	FL
VP2VI	7004	1134	11	FL
VP5JM	7188	1029	11	NJ
XQØX	7016	0313	13	PA
ZA1N	7004	0313	16	PA

30 Meters

3D2GG	10102	1104	5	AL
4K3GW	10106	2342	7	VA
BV4CT	10101	1303	10	PA
CX2BP	10103	0222	13	FL
FM5WD	10103	0303	16	PA
J3/CT3FN	10105	0045	14	FL
OM3CMM	10119	0226	13	FL
T24JJ	10102	1041	9	VA
TR8GR	10105	2323	15	PA
UD8F	10101	0210	13	FL
USØU	10104	0359	13	SC
XE1BEF	10111	0329	9	IL
YJØARW	10103	1030	11	FL
ZP9XB	10102	0130	10	PA

20 Meter CW

3B8FG	14023	0315	10	IA
3D2ER	14022	0722	10	ID
4J4JJ	14023	0055	12	CO
4K3GW	14025	1635	5	MI
4K4POL	14018	1340	5	MI
4LØJA	14032	0222	17	FL
4L1AA	14031	0159	8	GA
4L4ZG	14021	0302	8	IL
4L9AK	14037	2250	12	MI
4O1V	14048	2225	10	GA
4S7WP	14020	0043	15	FL
4U1UN	14030	1124	2	AL
5B4LP	14032	2355	7	NH
5U7M	14026	1116	11	FL
5Z4JD	14018	0424	8	ID
7Q7XX	14002	0051	11	SC
8J1RL	14023	1128	7	AL
9H3JR	14020	2130	16	FL
9K2MU	14012	2306	11	FL
9M8FC	14007	1306	9	CO
9V1YC	14015	1307	9	CO
9V1ZE	14001	1245	10	IA
9X5HG	14031	0221	7	GA
9X5HG	14014	0620	9	CA
9X5HG	14015	1105	13	IA
BV2A	14015	1343	5	CO
BV4CT	14035	1720	6	MI
BV4SB	14010	1415	12	IA
BV7FC	14025	1303	17	FL
D2SA	14023	1426	8	NH
DU7/N7ET	14014	1350	7	IA
EA6NB	14015	0600	9	CA
EL3FN	14003	2138	15	FL
ES4RO	14028	0220	17	FL
EV7AA	14035	0047	15	FL
FG5RZ	14011	2345	7	NH
FM5CW	14003	1040	11	FL
FS4PL	14040	2047	10	GA
HC5AI	14009	0054	12	MI
HC7SK	14008	0210	14	FL
HSØAC	14025	1212	10	AL
HV4NAC	14024	0555	7	AZ
HZ1HZ	14031	2020	10	GA
J3/CT3FN	14026	1039	11	FL
JD1/ JH1KSB	14033	1154	5	AL
KP2J	14009	2139	15	FL
NH2K	14015	1225	7	IA
OHØBDA	14023	2134	16	FL
P29KH	14032	1109	5	AL
PYØFF	14049	2053	10	GA
SU2MT	14040	1937	10	GA
T24JJ	14024	0454	12	UT
T24JJ	14025	1153	8	GA
T92X	14005	0059	5	FL
T97B	14012	0124	8	AZ
TM2CC	14003	0202	17	FL
TU2XZ	14050	0058	10	WI
UD6DKW	14019	0212	17	FL
UI8AA	14011	0146	13	FL
UL7CW	14016	2347	7	NH
UO5SM	14009	2125	16	FL
UW1ZZ	14011	0143	8	MN
V29PE	14015	0305	3	MI
V44KAI	14030	0400	9	ID
V85AA	14003	1125	5	AL
V85KX	14008	1400	12	IA
VP2E/ AA3B	14024	0238	13	FL
VQ9AC	14035	1220	7	IA
VR6MW	14024	0240	8	IL
XQØX	14029	2356	11	FL
YBØZEE	14024	1349	5	CO
YB2HAR	14006	1230	8	WI
Z31VV	14003	1522	7	NB
ZA1H	14010	2342	7	NH
ZA1J	14025	0153	13	FL
ZA1N	14026	0154	13	FL
ZA1Z	14021	0136	10	ID

20 Meter SSB

5N7WFU	14200	0440	13	CA
6W1QL	14205	0053	4	VA
BV4OB	14200	1213	6	CO
BY5RT	14201	1339	5	CO
CN2AQ	14218	2350	6	IA
FO4OK	14191	0410	11	IL
FO5IW	14184	0408	11	IL
JW6MY	14209	0435	12	CA
SV5TS	14293	0031	4	VA
TA5C	14190	0004	10	NH
TU5DX	14270	1020	11	NJ
V73C	14195	1120	1	OH
ZB2GR	14241	0545	8	IA
ZS8MI	14195	1109	6	VA
ZS8MI *	14195	1200	13	IA

17 Meter CW

C31LL	18073	2208	14	MI
CO1RG	18079	2206	14	MI
EV8A	18075	2200	10	SC
EV9A	18075	2203	5	MA
GIØKOW	18069	0203	6	MA
HC5AI	18076	1604	17	FL
HC5AI	18073	2126	15	MI
S92SS	18088	2236	7	GA
TA2BK	18072	2150	12	SC
TI2PZ	18080	0115	7	GA
XQØX	18070	2230	8	GA
YB6AVE	18074	1602	17	FL
YV5ENI	18127	1446	7	MN
Z31PK	18071	1555	8	ID
Z32XX	18088	2232	7	GA
Z37GBC	18073	2221	12	MI

17 Meter SSB

C6AGV	18137	1430	2	FL

15 Meter CW

9J2BO	21004	1855	9	IA
PYØFF	21016	1730	10	AL
XQØX	21020	0300	7	IA

15 Meter SSB

5B4NC	21244	1737	8	NH
5Z4BI	21281	1923	10	VA
CN2AQ	21250	1535	6	IA
D2SA	21317	1745	8	NH
ET3SID	21250	1534	8	NH
YC1FCC	21280	1750	5	NJ

Islands On The Air

- **TM1H** will be active from Hoedic Island (EU-048) Aug. 8-26, with operators FE1JUJ and FE1JCG. (LNDX.)
- Jay **WB8BMV** and Steve **WB8III** will operate from Orcacoke Island (NA-067) Aug. 15-20. Try the usual IOTA frequencies, and QSL home calls.
- **F6ELE** and **F6HKA** will append **/P** from Glenans Islands (EU-094) July 30-Aug. 3, on 40-10 meters. (LNDX.)
- **AH8AF** is on Manua Island (OC-077) until July 25.
- **F6BFH** is active from Tombelaine Island (EU-156) until July 28th. (DXNS.)
- **VE8PW** is active from the Kitikmeot Region of the Northwest Territories East group until July 31.
- **5Z4JD** will attempt to activate Wasini Island, a possible New One for IOTA, July 23-26. This **may** count for Kenyan Coast Province South group. If he can't make it this month, he'll try again in September. (DXNS.)
- **4K4BEU** expects to be active through September from several Asiatic Russian islands, including Prodolgovatyy (AS-104), Articheskogo Instituta (AS-087), Uyedineniya Island (AS-057), Ushakova (AS-???), and Sergeya Kirova (AS-050). (DXNS.)
- Joe Gumino **K2OLG** has operated from several Florida IOTA sites the past months, including Cedar Key (NA-076), Marco (NA-052), Florida Keys (NA-062), and others. QSL to Joe's **new address**: 1290 Yesica Ann Circle, Unit G-103, Naples FL 33942.

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Aland Island	**OH0/**	**DK7ZB**	**to Aug. 20**	**I698**
Angola	D2	D2EYE	now active	I697
Bahamas	**C6A/**	**KD4GLC**	**July 16-26**	**I697**
Belau	KC6	JAs	Aug. 8-13	I691
Belize	**V3**	**V31BR**	**Aug. 9-16**	**I698**
Comoros	**D6**	**TBA**	**Aug. 10-20**	**I698**
El Salvador	YS	YS1DRF	now active	I693
Eritrea	**E3**	**E31A?**	**Early August**	**I694/5**
		E35M	**now active**	**I697**
Gough Island	ZD9	ZD9BV	21313 1800Z	I690
Greenland	OX/N7PQO		to Aug. 1	I694
Hong Kong	VR2	VR2EK	now active	I696
Lebanon	OD5/	SP7LSE	to Aug. 1	I686
Liechtenstein	**HB0/**	**HB0/Fs**	**July 17-24**	**I690**
	HB0/DL5DCM&DL6DCM		**July 26-30**	**I697**
	HB0/DL1ECU		Sept. 1-11	I695
Madagascar	5R	5R8DG	7015 kHz 0250Z	I690
Mali	TZ	TZ6ABM	now?	I694
Marion Island	ZS8MI		14195 1300Z	I696
Mayotte	**FH/**	**I4ALU/p**	**Aug. 22-27**	**I698**
Mellish Reef	VK9M		Sept. 19-28	
Montserrat	**VP2M**	**/YLs**	**July 25-30**	**I691**
Nauru	C2	TBA	Feb. 23-Mar.2	I697
Penguin Islands	**ZS1**	**DLs**	**July 24-Aug. 3**	**I685**
Peter I Island	3Y		Feb. 1-17	I685
Pratus Island	**BV**	**BV9P**	**Start July 27**	**I693/5**
St. Paul Island	**CY**	**CY9CWI**	**Aug. 14-18**	**I698**
San Felix	CE0	XQ0X	CW now	I681
Saudi Arabia	HZ	7Z1AB	more active	I696
Southern Sudan	ST0/PA3CXC		to Sept.	I690
Tanzania	5H	5H3FOE	July-Oct.	I696
Trindade	**PY0T**	**TBA**	**July 28-Aug. 2**	**I698**
Tuvalu	**T2**	**T24JJ**	**now active**	**I697**
Uganda	5X	5X1B	21030 1900Z	I683
Wake Island	KH9		Aug. 31-Sept. 10	I692
Walvis Bay	**ZS9**	**by DLs**	**Aug. 4-13**	**I685**
Yemen	4W	4W1UA	Oct. 15-29	I695

Operating Events and DX Gatherings

Dates	Event	Reference:
July 24-25	Venezuelan CW Contest	CQ
July 24-25	Islands On The Air Contest	I694
July 29-Aug. 1	Northwest DX Convention	I689
Aug. 7-8	Romanian DX Contest	CQ
Aug. 14-15	Worked All Europe CW Contest	CQ
Aug. 21-22	SEANET SSB Contest	CQ
August 27-29	International DX Convention New Orleans	

Contributors

This Issue would not have been possible without the assistance of our dedicated reporters: AA6EE, AB4PW, AB8K, AG8L, DXNS, DXPress, I4ALU, K0IEA, K1HDO, K2OLG, K4BAI, K4GLU, K4II, K4IQJ, K7UOT, K8JJC, K8JLF, K9AJ, KA7T, KC7V, KG6I, KM9J, KN4FY, KZ0X, LNDX, N2EJQ, N4YKD, N5FTR, NG6W, OPDX, VE1RJ, VE2SEI, VE7COP, VK4BX, W0JRN, W0RXL, W1AW, W4VQ, W6JOX, W6WKE, W7AYY, W8CT, W8MEP, W9HAO, WA9AQE, WB2YQH, WB8ZRL, and WB8BMV. Many thanks!

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Albania	ZA1Z	14022	0130Z
Angola	D2SA	21300±	1745Z
Armenia	4J4JJ	14023	0100Z
Azerbaijan	UD6DKW	20M CW	0200Z
Brunei	V85AA	14003	1130Z
Cuba	CP7FR	7006	0145Z
East Malaysia	9M8FC	14020±	13-1400Z
Indonesia	YB2HAR	14009±	1230Z
Malta	9H3JR	14016±	2130Z
Marion Island	ZS8MI	14195	11-1300Z
Mauritius Island	3B8FG	14023	0315Z
Morocco	CN2AQ	21260±	1530Z
Rwanda	9X5HG	14015	0600Z
San Felix Island	XQ0X	18070	2230-0100Z
San Felix Island	XQ0X	40M CW	0300Z

The DX Bulletin

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